

SUBSTITUTE FORM PTO-1449
(MODIFIED)U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICEINFORMATION DISCLOSURE
STATEMENT BY APPLICANT
(Use several sheets if necessary)

(37 C.F.R. § 1.98(b))

Attorney Docket No.	50195/023003
Serial No.	10/705,519
Applicants	Robl et al.
Filing Date	November 10, 2003
Group	1632
IDS Filed	September 12, 2006
Customer No.	21559

U.S. PATENTS

Examiner's Initials	Patent No. or Patent Publication No.	Issue Date or Publication Date	Patentee or Applicant	Class	Subclass	Filing Date (If Appropriate)
DC	4,797,356	01/10/89	Brandt et al.	435	7	12/02/85
	4,847,081	07/11/89	Rice	424	186.1	03/30/87
	4,873,316	10/10/89	Meade et al.	530	412	06/23/87
	4,959,317	09/25/90	Sauer	435	172.3	04/29/87
	4,994,384	02/19/91	Prather et al.	435	172.3	10/27/87
	5,021,244	06/04/91	Spaulding	424	561	05/12/89
	5,057,420	10/15/91	Massey	435	172.2	10/16/90
	5,096,822	03/17/92	Rosenkrans, Jr. et al.	435	388	07/26/90
	5,160,312	11/03/92	Voelkel	600	34	02/06/91
	5,175,384	12/29/92	Krimpenfort et al.	800	2	12/05/88
	5,213,979	05/25/93	First et al.	435	240.2	12/30/87
	5,320,952	06/14/94	Deutch et al.	435	69.1	06/02/93
	5,346,990	09/13/94	Spaulding	530	350	03/12/91
	5,374,544	12/20/94	Schwartz et al.	435	69.1	01/15/92
	5,434,066	07/18/95	Bebbe et al.	435	172.3	03/15/94
	5,434,340	07/18/95	Krimpenfort et al.	800	2	07/27/92
	5,453,366	09/26/95	Sims et al.	435	172.3	03/15/93
	5,464,764	11/07/95	Capecchi et al.	435	6	02/04/93
	5,470,560	11/28/95	Martin, Jr.	424	9.2	02/04/94
	5,482,856	01/09/96	Fell, Jr. et al.	435	320.1	04/12/93
	5,487,992	01/30/96	Capecchi et al.	435	172.3	06/28/93
DC	5,496,720	03/05/96	Susko-Parrish et al.	435	240.2	02/10/93

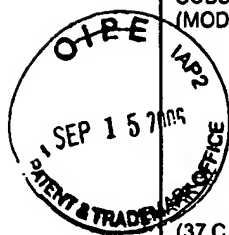
EXAMINER

/Deborah Crouch/

DATE CONSIDERED

11/24/2006

EXAMINER: Initial citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with the next communication to applicant.



SUBSTITUTE FORM PTO-1449 (MODIFIED)		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		Attorney Docket No. 50195/023003 Serial No. 10/705,519 Applicants Robl et al. Filing Date November 10, 2003 Group 1632 IDS Filed September 12, 2006 Customer No. 21559		
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)						
(37 C.F.R. § 1.98(b))						
U.S. PATENTS						
Examiner's Initials	Patent No. or Patent Publication No.	Issue Date or Publication Date	Patentee or Applicant	Class	Subclass	Filing Date (If Appropriate)
DC	5,527,674	06/18/96	Guerra et al.	435	6	05/02/94
	5,545,806	08/13/96	Lonberg et al.	800	2	12/16/92
	5,545,807	08/13/96	Surani et al.	800	2	08/05/94
	5,565,350	10/15/96	Kmiec	435	172.3	12/09/94
	5,565,362	10/15/96	Rosen	435	320.1	01/24/94
	5,569,825	10/29/96	Lonberg et al.	800	2	12/17/91
	5,583,016	12/10/96	Villeponteau et al.	435	91.3	10/27/94
	5,591,669	01/07/97	Krimpenfort et al.	800	2	05/30/95
	5,612,205	03/18/97	Kay et al.	435	172.3	08/28/91
	5,614,396	03/25/97	Bradley et al.	435	172.3	02/22/94
	5,618,686	04/08/97	Kojima et al.	435	26	03/04/94
	5,625,126	04/29/97	Lonberg et al.	800	2	12/07/94
	5,627,059	05/06/97	Capecchi et al.	800	21	06/05/95
	5,631,153	05/20/97	Capecchi et al.	435	172.3	06/05/95
	5,633,076	05/27/97	DeBoer et al.	435	172.3	11/16/93
	5,633,425	05/27/97	Lonberg et al.	800	2	02/05/92
	5,639,457	06/17/97	Brem et al.	424	184.1	11/15/94
	5,652,373	7/29/97	Reisner	800	11	5/17/93
	5,654,182	08/05/97	Wahl et al.	435	172.1	06/07/95
	5,660,997	08/26/97	Spaulding	435	7.21	06/07/94
↓	5,661,016	08/26/97	Lonberg et al.	435	172.3	04/26/93
DC	5,677,177	10/14/97	Wahl et al.	435	325	06/07/95
EXAMINER /Deborah Crouch/			DATE CONSIDERED 11/24/2006			
EXAMINER: Initial citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with the next communication to applicant.						

SUBSTITUTE FORM PTO-1449 (MODIFIED) U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary) (37 C.F.R. § 1.98(b))	Attorney Docket No.	50195/023003
	Serial No.	10/705,519
	Applicants	Robl et al.
	Filing Date	November 10, 2003
	Group	1632
	IDS Filed	September 12, 2006
	Customer No.	21559

U.S. PATENTS

Examiner's Initials	Patent No. or Patent Publication No.	Issue Date or Publication Date	Patentee or Applicant	Class	Subclass	Filing Date (If Appropriate)
DC	5,679,523	10/21/97	Li et al.	435	6	01/16/96
	5,695,977	12/09/97	Jurka	435	172.3	05/07/96
	5,698,763	12/16/97	Weissmann et al.	800	2	06/21/94
	5,721,367	02/24/98	Kay et al.	800	2	06/05/95
	5,733,730	03/31/98	De Lange	435	6	08/25/95
	5,741,957	04/21/98	Deboer et al.	800	2	06/05/95
	5,750,172	05/12/98	Meade et al.	426	580	06/05/95
	5,756,325	05/26/98	Kmiec	435	172.3	09/09/96
	5,763,240	06/09/98	Zarling et al.	435	172.3	07/14/94
	5,770,422	06/23/98	Collins	435	194	06/23/98
	5,770,429	06/23/98	Lonberg et al.	435	240.2	10/10/95
	5,776,744	07/07/98	Glazer et al.	435	172.3	06/07/95
	5,780,009	07/14/98	Karatzas et al.	424	9.1	01/20/95
	5,780,296	07/14/98	Holloman et al.	435	320.1	01/17/95
	5,789,215	08/04/98	Berns et al.	435	172.3	08/07/97
	5,789,650	08/04/98	Lonberg et al.	800	2	03/18/92
	5,789,655	08/04/98	Prusiner et al.	800	2	06/06/96
	5,801,030	09/01/98	McVey et al.	435	172.3	09/01/95
	5,814,318	09/29/98	Lonberg et al.	424	184.1	07/22/93
✓	5,821,117	10/13/98	Sandrin et al.	435	320.1	03/15/94
DC	5,827,690	10/27/98	Meade et al.	435	69.6	12/20/93

EXAMINER /Deborah Crouch/

DATE CONSIDERED 11/24/2006

EXAMINER: Initial citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with the next communication to applicant.

SUBSTITUTE FORM PTO-1449 (MODIFIED) U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary) (37 C.F.R. § 1.98(b))	Attorney Docket No.	50195/023003
	Serial No.	10/705,519
	Applicants	Robl et al.
	Filing Date	November 10, 2003
	Group	1632
	IDS Filed	September 12, 2006
	Customer No.	21559

U.S. PATENTS

Examiner's Initials	Patent No. or Patent Publication No.	Issue Date or Publication Date	Patentee or Applicant	Class	Subclass	Filing Date (If Appropriate)
DC	5,830,698	11/03/98	Reff et al.	435	69.1	03/14/97
	5,837,857	11/17/98	Villeponteau et al.	536	24.31	06/5/96
	5,843,643	12/01/98	Ratner	435	.6	02/22/94
	5,843,754	12/01/98	Susko-Parish et al.	435	240	06/06/95
	5,849,991	12/15/98	d'Apice et al.	800	2	01/26/95
	5,849,992	12/15/98	Meade et al.	800	2	03/27/95
	5,874,299	02/23/99	Lonberg et al.	435	320.1	02/14/97
	5,876,979	03/02/99	Andrews et al.	435	91.3	06/07/95
	5,877,397	03/02/99	Lonberg et al.	800	2	09/19/94
	5,891,698	04/06/99	Prieto et al.	435	67.1	05/02/95
	5,945,577	08/31/99	Stice et al.	800	24	01/10/97
	5,952,222	09/14/99	Rosenkrans, Jr. et al.	435	325	08/02/96
	6,011,197	01/04/00	Strelchenko et al.	800	24	01/28/99
	6,023,010	02/08/00	Krimpenfort et al.	800	2	12/05/96
	6,030,833	02/29/00	Seebach et al.	435	325	08/02/96
	6,054,632	04/25/00	Reid	800	6	11/15/96
	6,066,719	05/23/00	Zapata	530	387.3	03/06/97
	6,074,853	06/13/00	Pati et al.	435	91.1	08/14/98
	6,077,710	06/20/00	Susko-Parish et al.	435	375	10/21/98
	6,091,001	07/18/00	Jakobovits et al.	800	18	03/29/95
✓	6,147,276	11/14/00	Campbell et al.	800	24	02/19/97
DC	6,153,428	11/28/00	Gustafsson et al.	435	325	3/26/96

EXAMINER /Deborah Crouch/

DATE CONSIDERED 11/24/2006

EXAMINER: Initial citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with the next communication to applicant.

SUBSTITUTE FORM PTO-1449 (MODIFIED)		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		Attorney Docket No. 50195/023003 Serial No. 10/705,519 Applicants Robl et al. Filing Date November 10, 2003 Group 1632 IDS Filed September 12, 2006 Customer No. 21559		
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)						
(37 C.F.R. § 1.98(b))						
U.S. PATENTS						
Examiner's Initials	Patent No. or Patent Publication No.	Issue Date or Publication Date	Patentee or Applicant	Class	Subclass	Filing Date (If Appropriate)
DC	6,166,288	12/26/00	Diamond et al.	800	17	07/03/96
	6,183,993	02/06/01	Boyce et al.	435	69.7	06/10/99
	6,194,202	02/27/01	Susko-Parrish et al.	435	325	03/04/96
	6,204,061	03/20/01	Capecchi et al.	435	463	01/09/97
	6,204,431	03/20/01	Prieto et al.	800	14	09/05/97
	6,252,133	06/26/01	Campbell et al.	800	24	02/19/97
	6,258,998	07/10/01	Damlani et al.	800	24	11/24/98
	6,271,436	08/07/01	Piedrahita et al.	800	21	10/10/97
	6,300,129	10/09/01	Lonberg et al.	435	326	12/02/96
	6,395,958	05/28/02	Strelchenko et al.	800	7	07/15/99
	2002/0001842	01/03/02	Chapman	435	449	12/15/00
	2002/0012660	01/31/02	Colman et al.	424	93.21	12/30/99
	2002/0108132	08/08/02	Rapp	800	6	06/08/01
FOREIGN PATENT OR PUBLISHED FOREIGN PATENT APPLICATION						
Examiner's Initials	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translation (Yes/No)
	EP 0546073	09/10/97	EPO			
	EP 0773288	05/14/97	EPO			No
	EP 0843961	05/27/98	EPO			
	EP 1106061	06/13/01	EPO			No
	WO 92/03918	03/19/92	WIPO			No
↓	WO 93/10227	05/27/93	WIPO			No
DC	WO 94/02602	02/03/94	WIPO			No
EXAMINER /Deborah Crouch/			DATE CONSIDERED 11/24/2006			
EXAMINER: Initial citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with the next communication to applicant.						

SUBSTITUTE FORM PTO-1449 (MODIFIED)		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		Attorney Docket No. 50195/023003 Serial No. 10/705,519 Applicants Robl et al. Filing Date November 10, 2003 Group 1632 IDS Filed September 12, 2006 Customer No. 21559		
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)						
(37 C.F.R. § 1.98(b))						
FOREIGN PATENT OR PUBLISHED FOREIGN PATENT APPLICATION						
Examiner's Initials	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translation (Yes/No)
DC	WO 95/33828	12/14/95	WIPO			No
	WO 96/33735	10/31/96	WIPO			No
	WO 97/07668	03/06/97	WIPO			No
	WO 97/07669	03/06/97	WIPO			No
	WO 97/07671	03/06/97	WIPO			Yes (provided as EP 0773288)
	WO 97/13852	04/17/97	WIPO			No
	WO 98/14593	04/09/98	WIPO			No
	WO 98/24884	06/11/98	WIPO			No
	WO 98/24893	06/11/98	WIPO			No
	WO 98/30683	07/16/98	WIPO			No
	WO 98/37183	08/27/98	WIPO			No
	WO 98/39416	09/11/98	WIPO			No
	WO 99/21415	05/06/99	WIPO			No
	WO 00/42174	07/20/00	WIPO			No
	WO 00/10383	03/02/00	WIPO			Yes (provided as EP 1106061)
	WO 00/46251	08/10/00	WIPO			No
	WO 00/51424	09/08/00	WIPO			No
	WO 00/67568	11/16/00	WIPO			No
	WO 00/67569	11/16/00	WIPO			No
	WO 00/74477	12/14/00	WIPO			No
↓	WO 01/23541	04/05/01	WIPO			No
DC	WO 01/30992	05/03/01	WIPO			No
EXAMINER /Deborah Crouch/			DATE CONSIDERED 11/24/2006			
EXAMINER: Initial citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with the next communication to applicant.						

SUBSTITUTE FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE (MODIFIED) PATENT AND TRADEMARK OFFICE INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary) (37 C.F.R. § 1.98(b))		Attorney Docket No. 50195/023003 Serial No. 10/705,519 Applicants Robl et al. Filing Date November 10, 2003 Group 1632 IDS Filed September 12, 2006 Customer No. 21559				
FOREIGN PATENT OR PUBLISHED FOREIGN PATENT APPLICATION						
Examiner's Initials	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translation (Yes/No)
DC	WO 01/35735	05/25/01	WIPO			No
DC	WO 01/73107	10/04/01	WIPO			No
OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PLACE OF PUBLICATION)						
DC	Ahearn et al., "Disruption of the <i>Cr2</i> Locus Results in a Reduction in B-1a Cells and in an Impaired B Cell Response to T-Dependent Antigen," <i>Immunity</i> 4:251-262 (1996).					
	Burke et al., "A Cell Free System to Study Reassembly of the Nuclear Envelope at the End of Mitosis," <i>Cell</i> 44:639-652 (1986).					
	Cibelli et al., "Bovine Chimeric Offspring Produced By Transgenic Embryonic Stem Cells Generated From Somatic Cell Nuclear Transfer Embryos," <i>Theriogenology</i> 49:236 (1998).					
	Cibelli et al., "Cloned Transgenic Calves Produced from Nonquiescent Fetal Fibroblasts," <i>Science</i> 280:1256-1258 (1998).					
	Collas et al., "Lipophilic Organizing Structures of Sperm Nuclei Target Membrane Vesicle Binding and Are Incorporated Into the Nuclear Envelope," <i>Dev. Biol.</i> 169:123-135 (1995).					
	Collas, "Sequential PKC- and Cdc2-Mediated Phosphorylation Events Elicit Zebrafish Nuclear Envelope Disassembly," <i>J. Cell Sci.</i> 112:977-987 (1999).					
	Collas et al., "The A-Kinase Anchoring Protein, AKAP95, Is A Multivalent Protein With A Key Role In Chromatin Condensation At Mitosis," <i>J. Cell Biol.</i> 147:1167-1179 (1999).					
	Cubizolles et al., "pEg7, A New Xenopus Protein Required For Mitotic Chromosome Condensation in Egg Extracts," <i>J. Cell Biol.</i> 143:1437-1446 (1998).					
	Denning et al., "Deletion of the $\alpha(1,3)$ Galactosyl Transferase (<i>GGTA1</i>) Gene and the Prion Protein (<i>PrP</i>) Gene in Sheep," <i>Nat. Biotechnol.</i> 19:559-562 (2001).					
	Ehrenstein et al., "Targeted Gene Disruption reveals a Role for Natural Secretory IgM in the Maturation of the Primary Immune Response," <i>Proc. Natl. Acad. Sci., USA</i> 95:10089-10093 (1998).					
	Erlandsson et al., "Mice with an Inactivated joining chain Locus Have Perturbed IgM Secretion," <i>Eur. J. Immunol.</i> 28:2355-2365 (1998).					
	Goldman et al., "Enhanced Human Cell Engraftment in Mice Deficient in RAG2 and the Common Cytokine Receptor Gamma Chain," <i>Br. J. Haematol.</i> 103:335-342 (1998).					
DC	Guidos et al., "Development of CD4+CD8+ Thymocytes in RAG-Deficient Mice Through a T Cell Receptor β Chain-Independent Pathway," <i>J. Exp. Med.</i> 181:1187-1195 (1995).					
EXAMINER		/Deborah Crouch/		DATE CONSIDERED		11/24/2006
EXAMINER: Initial citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with the next communication to applicant.						

SUBSTITUTE FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE (MODIFIED) PATENT AND TRADEMARK OFFICE INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary) (37 C.F.R. § 1.98(b))		Attorney Docket No. 50195/023003 Serial No. 10/705,519 Applicants Robl et al. Filing Date November 10, 2003 Group 1632 IDS Filed September 12, 2006 Customer No. 21559
OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PLACE OF PUBLICATION).		
DC	Ishida et al., "Production of a Diverse Repertoire of Human Antibodies In Genetically Engineered Mice," <i>Microbiol. Immunol.</i> 42:143-150 (1998).	
	Jonak et al., "Manipulation of Human B Cells to Confer Immortality," <i>Hum. Antibodies Hybridomas</i> 3:177-185 (1992).	
	Joziasse et al., "Bovine Alpha 1→3-Galactosyltransferase: Isolation and Characterization of a cDNA Clone. Identification of Homologous Sequences in Human Genomic DNA," <i>J. Biol. Chem.</i> 264:14290-14297 (1989).	
	Joziasse et al., "Characterization of an α1→3-Galactosyltransferase Homologue on Human Chromosome 12 That Is organized As A Processed Pseudogene," <i>J. Biol. Chem.</i> 266:6991-6998 (1991).	
	Kitamura et al., "A B Cell-Deficient Mouse by Targeted Disruption of the Membrane Exon of the Immunoglobulin Mu Chain Gene," <i>Nature</i> 350:423-426 (1991).	
	Knight et al., "Genetic Engineering of Bovine Ig. Construction and Characterization of Hapten-Binding Bovine/Murine Chimeric IgE, IgA, IgG1, IgG2, and IgG3 Molecules," <i>J. Immunol.</i> 140:3654-3659 (1988).	
	Kuroiwa et al., "Manipulation of Human Minichromosomes to Carry Greater Than Megabase-Sized Chromosome Inserts," <i>Nat. Biotechnol.</i> 18:1086-1090 (2000).	
	Lansford et al., "Ig Heavy Chain Class Switching in Rag-Deficient Mice," <i>Int. Immunol.</i> 10:325-332 (1998).	
	Lohka et al., "Formation In Vitro of Sperm Pronuclei and Mitotic Chromosomes Induced By Amphibian Ooplasmic Components," <i>Science</i> 220:719-721 (1983).	
	Lohka et al., "Induction of Nuclear Envelope Breakdown, Chromosome Condensation And Spindle Formation In Cell-Free Extracts," <i>J. Cell Biol.</i> 101:518-523 (1985).	
	Loupard et al., "Differential Stability of a Human Mini-Chromosome in Mouse Cell Lines," <i>Chromosoma</i> 107:255-259 (1998).	
	Martin et al., "Engraftment of Human Lymphocytes and Thyroid Tissue into Scid and Rag2-Deficient Mice: Absent Progression of Lymphocytic Infiltration," <i>J. Clin. Endocrinol. Metab.</i> 79:716-723 (1994).	
	Mazurier et al., "A Novel Immunodeficient Mouse Model—Rag2 x Common Cytokine Receptor Gamma Chain Double Mutants—Requiring Exogenous Cytokine Administration for Human Hematopoietic Stem Cell Engraftment," <i>J. Interferon cytokine Res.</i> 19:533-541 (1999).	
	Miake-Lye et al., "Induction of Early Mitotic Events in a Cell-Free System," <i>Cell</i> 41:165-175 (1985).	
	Mocikat, "Improving the Expression of Chimeric Antibodies Following Homologous Recombination in Hybridoma Cells," <i>J. Immunol. Methods</i> 225:185-189 (1999).	
↓	Newport, "Nuclear Reconstitution In Vitro: Stages of Assembly Around Protein-Free DNA," <i>Cell</i> 48:205-217 (1987).	
DC	Polejaeva et al., "New Advances In Somatic Cell Nuclear Transfer: Application In Transgenesis," <i>Theriogenology</i> 53:117-126 (2000).	
EXAMINER /Deborah Crouch/		DATE CONSIDERED 11/24/2006
EXAMINER: Initial citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with the next communication to applicant.		

SUBSTITUTE FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE (MODIFIED) PATENT AND TRADEMARK OFFICE INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary) (37 C.F.R. § 1.98(b))		Attorney Docket No. 50195/023003 Serial No. 10/705,519 Applicants Robl et al. Filing Date November 10, 2003 Group 1632 IDS Filed September 12, 2006 Customer No. 21559
OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PLACE OF PUBLICATION)		
DC	Rideout et al., "Nuclear Cloning and Epigenetic Reprogramming of the Genome," <i>Science</i> 293:1093-1098 (2001).	
	Schnieke et al., "Human Factor IX Transgenic Sheep Produced By Transfer of Nuclei From Transfected Fetal Fibroblasts," <i>Science</i> 278:2130-2133 (1997).	
	Shen et al., "Human Mini-Chromosomes in Mouse Embryonal Stem Cells," <i>Hum. Mol. Genet.</i> 6:1375-1382 (1997).	
	Srikumaran et al., "Bovine X Mouse Hybridomas that Secrete Bovine Immunoglobulin G1," <i>Science</i> 220:522-524 (1983).	
	Steen et al., "A-Kinase Anchoring Protein (AKAP)95 Recruits Human Chromosome-Associated Protein (hCAP)-D2/Eg7 For Chromosome Condensation In Mitotic Extract," <i>J. Cell Biol.</i> 149:531-536 (2000).	
	Steen et al., "Recruitment of Protein Phosphatase 1 to the Nuclear Envelope By A-Kinase Anchoring Protein AKAP149 Is A Pre-Requisite For Nuclear Lamina Assembly," <i>J. Cell Biol.</i> 150:1251-1261 (2000).	
	Suprynowicz et al., "A Fractionated Cell-Free System for Analysis of Prophase Nuclear Disassembly," <i>J. Cell Biol.</i> 103:2073-2081 (1986).	
	Tomizuka et al., "Double Trans-Chromosomal Mice: Maintenance of Two Individual Human Chromosome Fragments Containing Ig Heavy and Kappa Loci and Expression of Fully Human antibodies," <i>Proc. Natl. Acad. Sci. USA</i> 97:722-727 (2000).	
	Wilson et al., "A Trypsin-Sensitive Receptor On Membrane Vesicles Is Required For Nuclear Envelope Formation In Vitro," <i>J. Cell Biol.</i> 107:57-68 (1988).	
DC	Yahata et al., "Reconstitution of Immune Systems in RAG2 ^{-/-} Mice by Transfer with Interleukin-12-Induced Splenic Hematopoietic Progenitor Cells," <i>Immunol. Lett.</i> 62:165-170 (1998).	
EXAMINER /Deborah Crouch/		DATE CONSIDERED 11/24/2006
EXAMINER: Initial citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with the next communication to applicant.		

SUBSTITUTE FORM PTO-1449 (MODIFIED) U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary) (37 C.F.R. § 1.98(b))	Attorney Docket No.	50195/023003	
	Serial No.	10/705,519	
	Applicants	Robl et al.	
	Filing Date	November 10, 2003	
	Group	1632	
	IDS Filed	September 12, 2006	
		Customer No.	21559

U.S. PATENTS

Examiner's Initials	Patent No. or Patent Publication No.	Issue Date or Publication Date	Patentee or Applicant	Class	Subclass	Filing Date (If Appropriate)
DC	5,569,825	10/96	Lonberg et al.	435	7	12/02/85
DC	5,741,957	04/1998	Deboer et al.	424	186.1	03/30/87

FOREIGN PATENT OR PUBLISHED FOREIGN PATENT APPLICATION

Examiner's Initials	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translation (Yes/No)
DC	WO 99/60108	11/25/99	WIPO			No

OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PLACE OF PUBLICATION)

DC	Leonard, et al. "Role of the Common Cytokine Receptor Gamma Chain in Cytokine Signaling and Lymphoid Development," <i>Immunological Reviews</i> 148:97-114 (1995).
	Griffiths et al., "Current Concepts of PLP and Its Role in the Nervous Sytem," <i>Microscopy Research and Technique</i> 41:344-358 (1998).
	Moens et al., "Defects in Heart and Lung Development in Compound Heterozygotes for Two Different Targed Mutation sat the N-Myc Locus," <i>Development</i> 119:485-499 (1993).
	Kaushik et al., "Novel Insight Into Antibody Diversification From Cattle. Veterinary Immunology and Immunopathology 87:347-350 (2002).
	Pamg et al., "Gene Conversion Contributes to Ig Light Chain Diversity in Cattle," <i>J. Immunology</i> 157:5478-5486 (1996).
	Echelard et al., Toward a New Cash Cow: Cloned cattle engineered to carry an artificial chromosome encoding human immunoglobulin genes are a significant leap toward the production of safer and more potent therapeutic antibodies, <i>Nat. Biotechnol.</i> 20:881-882, 2002.
	Farrugia et al., Intravenous immunoglobulin: regulatory perspectives on use and supply, <i>Trans. Med.</i> 11:63-74, 2001.
	Fishwild et al., High-avidity human IgGk monoclonal antibodies from a novel strain of minilocus transgenic mice, <i>Nat. Biotech.</i> 14:845-851, 1996.
	Ishida et al., Production of human monoclonal and polyclonal antibodies in transchromo animals, <i>Clon. Stem Cells</i> 4:91-102, 2002.
✓	Joziasse et al., Xenotransplantation: the importance of the Gal α 1,3Gal epitope in hyperacute vascular rejection, <i>Biochim. et BioPhys.</i> 1455:403-418, 1999.
DC	Kuroiwa et al., Cloned transchromosomic calves producing human immunoglobulin, <i>Nat. Biotech.</i> 20:889-894, 2002.

EXAMINER	/Deborah Crouch/	DATE CONSIDERED	11/24/2006
EXAMINER: Initial citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with the next communication to applicant.			

SUBSTITUTE FORM PTO-1449 (MODIFIED) U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary) (37 C.F.R. § 1.98(b))	Attorney Docket No.	50195/023003
	Serial No.	10/705,519
	Applicants	Robl et al.
	Filing Date	November 10, 2003
	Group	1632
	IDS Filed	September 12, 2006
	Customer No.	21559

U.S. PATENTS

Examiner's Initials	Patent No. or Patent Publication No.	Issue Date or Publication Date	Patentee or Applicant	Class	Subclass	Filing Date (If Appropriate)
DC	6,133,503	10/17/00	Scheffler			

OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PLACE OF PUBLICATION)

DC	Lonberg et al., Human antibodies from transgenic mice, <i>Intern. Rev. Immun.</i> 13:65-93, 1995.
	Lucier et al., Multiple sites of V λ diversification in cattle, <i>J. Immun.</i> 161:5438-5444, 1998.
	Mendez et al., Functional transplant of megabase human immunoglobulin loci recapitulates human antibody response in mice, <i>Nat. Genet.</i> 15:146-156, 1997.
	Raeber et al., Ectopic expression of prion protein (PrP) in T lymphocytes or hepatocytes of PrP knockout mice is insufficient to sustain prion replication, <i>Proc. Natl. Acad. Sci.</i> 96:3987-3992, 1999.
	Sandrin et al., Recent advances in xenotransplantation, <i>Curr. Opin. in Immun.</i> 11:527-531, 1999.
	Stiehm et al., Appropriate therapeutic use of immunoglobulin, <i>Trans. Med. Rev.</i> X:203-221, 1996.
	Tomizuka et al., Functional expression and germline transmission of a human chromosome fragment in chimaeric mice, <i>Nat. Genet.</i> 16:133-143, 1997.
	Baguisi et al., "Production of Goats by Somatic Cell Nuclear Transfer," <i>Nature Biotechnology</i> 17:456-461 (1999).
	Co et al., "Generation of Transgenic Mice and Germline Transmission of a Mammalian Artificial Chromosome Introduced into Embryos by Pronuclear Microinjection," <i>Chromosome Research</i> 8:183-191 (2000).
	Eyestone et al., "Nuclear Transfer from Somatic Cells: Applications in Farm Animal Species," <i>Journal of Reproduction and Fertility</i> 54:489-497 (1999).
	Grimes et al., "Engineering Mammalian Chromosomes," <i>Human Molecular Genetics</i> 7:1635-1640 (1998).
	Langford et al., "Production of Pigs Transgenic Human Regulators of Complement Activation Using YAC Technology," <i>Transplantation Proceedings</i> 28:862-863 (1996).
	Niemann et al., "Transgenic Livestock: Premises and Promises," <i>Animal Reproduction Science</i> 60-61:277-293 (2000).
	Prather et al., "Development of the Techniques for Nuclear Transfer in Pigs," <i>Theriogenology</i> 51:487-198 (1999).
	Sun et al., "Expressed Swine V μ Genes Belong to a Small V μ Gene Family Homologous to Human V μ III," <i>The Journal of Immunology</i> 153:5618-5627 (1994).
	Zhao et al., "Artiodactyl IgD: The Missing Link," <i>The Journal of Immunology</i> 169:4408-4416 (2002).
DC	Zuelke, "Transgenic Modification of Cows Milk for Value-Added Processing," <i>Reproduction, Fertility, Development</i> 10:671-676 (1998).

EXAMINER	/Deborah Crouch/	DATE CONSIDERED	11/24/2006
EXAMINER: Initial citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with the next communication to applicant.			

SUBSTITUTE FORM PTO-1449 (MODIFIED) U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary) (37 C.F.R. § 1.98(b))	Attorney Docket No.	50195/023003
	Serial No.	10/705,519
	Applicants	Robl et al.
	Filing Date	November 10, 2003
	Group	1632
	IDS Filed	September 12, 2006
	Customer No.	21559

FOREIGN PATENT OR PUBLISHED FOREIGN PATENT APPLICATION

Examiner's Initials	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translation (Yes/No)
DC	WO 95/23868	09/08/95	WIPO			
DC	WO 02/12437	02/14/02	WIPO			
DC	WO 02/051997	07/04/02	WIPO			
DC	WO 02/070648	09/12/02	WIPO			
DC	WO 02/079416	10/10/02	WIPO			

OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PLACE OF PUBLICATION)

DC	Clark et al., "A future for Transgenic livestock. Nature Reviews: Genetics 4:825-833 (2003).
	Niemann et al., Transgenic Farm animals: <i>Present and Future</i> . Rev. Schi. Tech. Off. Int. Spiz 24:285-298 (2005).
	Wheeler et al., "Transgenic Technology and Applications in Swine," <i>Theriogenology</i> 56:1345-1369 (2001).
	Prelle et al., "Pluripotent Stem Cells- Models of Embryonic Development, Tool for Gene Targeting, and Basis of Cell Therapy," <i>Anat. Histol. Embryol.</i> 31:169-186 (2002).
	Pennisi et al., "Clones: A Hard Act to Follow," <i>Science</i> 288:1722-1727 (2000).
	Campbell, "Nuclear Transfer in Farm Animal Species," <i>Seminars in Cell & Develop. Biol.</i> 10:245-252 (1999).
	Weissman, "Molecular Biology of Transmissible Spongiform Encephalopathies," <i>FEBS Letters</i> 389:3-11 (1996).
	Hamers-Casterman et al. "Naturally Occurring Antibodies Devoid of Light Chains," <i>Nature</i> 363:446-448 (1993).
	Bosch et al., "Isolation, Characterization, Gene Modification, and Nuclear Reprogramming of Porcine Mesenchymal Stem Cells," <i>Biology of Reproduction</i> 74:46-57 (2006)
	Dai et al., "Targeted Disruption of the α 1,3-Galactosyltransferase Gene in Cloned Pigs," <i>Nature Biotechnology</i> 20:251-255 (2002).
	Hyun et al., "Production of Nuclear Transfer-Derived Piglets Using Porcine Fetal Fibroblasts Transfected with the Enhanced Green Fluorescent Protein," <i>Biology of Reproduction</i> 69:1060-1068 (2003).
	Lai et al., "Production of α 1,3-Galactosyltransferase Knockout Pigs by Nuclear Transfer Cloning," <i>Science</i> 295:1089-1092 (2002).
	Lai et al., "Creating Genetically Modified Pigs by Using Nuclear Transfer," <i>Reproductive Biology and Endocrinology</i> 82:1-6 (2003).
DC	Keefer et al., "Generation of Dwarf Goat (<i>Capra hircus</i>) Clones Following Nuclear Transfer with Transfected and Nontransfected Fetal Fibroblasts and In Vitro-Matured Oocytes," <i>Biology of Reproduction</i> 64:849-856 (2001).

EXAMINER	/Deborah Crouch/	DATE CONSIDERED	11/24/2006
EXAMINER: Initial citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with the next communication to applicant.			

SUBSTITUTE FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE (MODIFIED) PATENT AND TRADEMARK OFFICE INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary) (37 C.F.R. § 1.98(b))		Attorney Docket No. 50195/023003 Serial No. 10/705,519 Applicants Robl et al. Filing Date November 10, 2003 Group 1632 IDS Filed September 12, 2006 Customer No. 21559
OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PLACE OF PUBLICATION)		
DC	Martinez Diaz et al., "Effect of Fusion/Activation Protocol on <i>In Vitro</i> Development of Porcine Nuclear Transfer Embryos Constructed with Foreign Gene Transfected Fetal Fibroblasts," <i>J. Vet. Med. Sci</i> 65:989-994 (2003).	
DC	Park et al., "Developmental Potential of Porcine Nuclear Transfer Embryos Derived From Transgenic Fetal Fibroblasts Infected with the Gene for the Green Fluorescent Protein: Comparison of Different Fusion/Activation Conditions," <i>Biology of Reproduction</i> 65:1681-1685 (2001).	
DC	Prather et al., "Nuclear Remodeling and Reprogramming in Transgenic Pig Production," <i>Exp. Biol. Med</i> 229:1120-1126 (2004).	
DC	Ramsoondar et al., "Production of α 1,3-Galactosyltransferase-Knockout Cloned Pigs Expressing Human α 1,2-Fucosyltransferase," <i>Biology of Reproduction</i> 69:437-445 (2003).	
DC	Watanabe et al., "A Novel Method for the Production of Transgenic Cloned Pigs: Electroporation-Mediated Gene Transfer to Non-cultured Cells and Subsequent Selection with Puromycin," <i>Biology of Reproduction</i> 72:309-315 (2005).	
EXAMINER	/Deborah Crouch/	DATE CONSIDERED 11/24/2006
EXAMINER: Initial citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with the next communication to applicant.		